

ANNUAL REPORT
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TITLE: Sencor Screening of Wheat Cultivars

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The sencor screening plots consisted of 78 wheat cultivars that were entered into the University of Arkansas Small Grains Performance Trials. The plot location was Cotton Branch Station (CBS). The soil types were silt loams. The CBS location was planted on October 14, 2001. The plot length was 50 feet, thus allowing for 9 treatment strips. The first application was applied at 3-leaf wheat. The treatment of Sencor 75DF consisted of 3 and 6 ounces per acre corresponding to a metribuzin rate of 0.14 and 0.28 pounds a.i. per acre. Additionally, Axiom herbicide was applied at a rate of 10 and 20 ounce per acre. This herbicide holds promise in helping to control resistant ryegrass. The 2- to 3-tiller application of Sencor 75DF consisted of 8 and 16 ounces per acre corresponding to 0.375 and 0.75 pounds a.i. metribuzin per acre, respectively. In addition, Everest was applied at a rate of 0.6 oz/a to evaluate cultivar sensitivity. Tolerance ratings have been compiled on each cultivar. Cultivars with more than two years of screening will be assigned tolerance ratings and these ratings will be reported in the Wheat Update publication. Table 1 and 2 contain the 2000-2001.

Table 1. Sencor tolerance of the varieties enter into the U of A variety trial.

Sencor Screeing at Cotton Branch Station in 2000-2001
Silt Loam Soil

Cultivar	Application Timing				
	Fall		Spring		
	Metribuzin Rate (lbs a.i./acre)				
	0.14	0.28	0.38	0.75	
Armor 2025	10	40	0	0	
Armor 3035	5	60	0	0	
Armor 3135	10	30	0	0	
Armor 4045	5	30	0	0	
AgriPro M96*4403	0	5	0	0	
AgriPro Mason	0	0	0	0	
AgriPro Natchez	0	15	0	0	
AgriPro Patton	0	5	0	0	
AgriPro Shelby	0	10	0	0	
AgriPro Shiloh	0	20	0	0	
AGS 2000	0	40	0	0	
AR 494-B-2-2		20	60	0	0
AR 584-A-3-1		5	25	0	0
AR 584-A-3-1-3	10	50	5	5	
AR 839-25-8-2	10	10	10	10	
AR 839-27-1-3	5	40	0	0	
AR 839-28-1-2	20	50	10	10	
AR 839-10-1-1	0	30	0	0	
AR LA 85411	50	80	0	0	
Cropland SR204	0	70	0	0	
Cropland SR218	5	40	0	0	
Delta Grow 1100	5	50	0	0	
Delta Grow 5300	5	50	5	0	
Delta King 1551W	0	0	0	0	
Delta King 9027	0	5	0	0	
Delta King 9121	0	20	0	0	
Delta King 9216	0	5	0	0	
Delta King 9410	0	10	0	0	
Delta King XTJ3333	0	10	0	0	
Delta King XTJ7357	0	5	0	0	
Delta King XTJ7531	0	5	0	0	
Delta King XTJ7599	0	10	0	0	
Delta King XTJ7777	0	20	0	0	
Delta King XTJ7900	0	10	0	0	

Dixie 900	0	30	0	0
Dixie 911	0	20	0	0

Application Timing

Fall

Spring

Metribuzin Rate (lbs a.i./acre)

Cultivar	0.14	0.28	0.38	0.75
Dixie 922	0	60	0	0
Dixie 2000	0	15	0	0
F334W	0	40	5	5
F335W	0	0	0	0
FFR 522W	0	25	0	0
FFR 558W	0	15	0	0
HBK X9000W	0	5	0	0
HBK X9127W	0	15	0	0
LA90185G3-1-3-4-2	5	95	0	0
LA90185PB43-3-1-4	10	80	0	0
NK Coker 9543	5	30	5	5
NK Coker 9663	10	50	5	5
NK BL 940582	10	35	0	0
NK BL 940812	10	80	0	0
Pioneer 2684	0	10	0	0
Pioneer 26R24	0	20	0	0
Pioneer 26R38	0	0	0	0
Pioneer 26R46	0	15	0	0
Pioneer XW 586	10	30	0	0
Progeny 103	0	20	0	0
Progeny 156	0	10	0	0
Roane	10	50	0	0
Sabbe	0	10	0	0
Souther States 516	50	90	0	0
Souther States 518	70	95	0	0
Souther States 522	40	90	10	10
Souther States 535	10	60	0	0
Stine 422	0	20	0	0
Stine 455	0	20	10	10
Terral TV8555	0	70	0	0
Terral TV8825	5	70	5	5
Terral TV8910	0	0	5	5
VA 96W-158	0	25	0	0
VA 96W-247	10	50	0	0
VA 96W-270	0	10	0	0
VA 97W-206	0	40	0	0
VA 98W-593	0	10	0	0

USG 3209	5	80	5	5
USG 3709	5	20	0	0
USG 901146E15	5	90	0	0
USG 91426E39	0	30	0	0
